



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/827,243	04/20/2004	Seiya Ide	01-597	2548
23400	7590	05/17/2007	EXAMINER	
POSZ LAW GROUP, PLC			BEAULIEU, YONEL	
12040 SOUTH LAKES DRIVE				
SUITE 101			ART UNIT	PAPER NUMBER
RESTON, VA 20191			3661	
			MAIL DATE	DELIVERY MODE
			05/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/827,243	IDE ET AL.
	Examiner	Art Unit
	Yonel Beaulieu	3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-7 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,2 and 7 is/are rejected.
 7) Claim(s) 3-6 is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 20 April 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1.) Certified copies of the priority documents have been received.
 2.) Certified copies of the priority documents have been received in Application No. _____.
 3.) Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Number 5,406,127 to Furui et al. ("Furui").

Regarding claims 1 and 2, Furui teaches a loading system for a vehicle passenger protection device of a vehicle (figs. 1 and 6 at least) comprising an acceleration sensor (6 fig. 1 or 24 fig. 6) detecting vehicle acceleration, means (7) for detecting a collision based on an output signal from the accelerator sensor and outputting an airbag release signal in a case where there is a determination that the vehicle has collided (col. 3, lines 42 – 45 at least), loading means for igniting a squib (3) by electrical power from an electrical source/battery (1) to release and load an air-bag (col. 3, lines 60 – 62 at least); means (7c within 7) for judging (comparing) whether the output signal from the acceleration sensor (24) is a normal signal or an abnormal signal (col. 3, lines 46 – 53; col. 4, lines 49 – 54; col. 2, lines 3 – 23 at least), and determining whether or not the vehicle has collided based upon a normal/abnormal signal (col. 1, lines 24 – 46 and col. 3, lines 32 – 45 at least).

Regarding claim 7, Furui's acceleration sensor is a satellite sensor (as illustrated and compared to Applicant's sensor 2 in fig. 1, sensor 6 of Furui's fig. 1 is a satellite signal).

Allowable Subject Matter

Claims 3 – 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art of record fail to teach a loading system for a vehicle passenger protection device comprising, among other limitations, an abnormal signal processing means comprising immediately preceding normal signal storing means for storing an immediately preceding normal signal output value, which is an output value of the normal signal immediately preceding the abnormal signal and setting an abnormal processing signal to the immediately preceding normal signal output value to zero and change amount calculating an output value change amount being an amount that an output value of the output signal from the acceleration sensor changes during a predetermined period of time, the value being equal to a specific proportion of the maximum value of the output signal from an acceleration sensor.

Art Unit: 3661

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. As per attached PT)-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yonel Beaulieu whose telephone number is (571) 272-6955. The examiner can normally be reached on Mon., Wed. & Thur. between 0900 and 1600.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas BLACK can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3661

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Yonel Beaulieu
Primary Examiner
Art Unit 366.1